

101.9 - High Temperature Alloys (chip and disk forms)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Elemental Composition (mass fraction in %) unless noted with an asterisk (*) for mg/kg.												
SRM	Description	Unit of Issue	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Bismuth (Bi)	Boron (B)	Carbon (C)	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Gallium (Ga)
866	Incoloy 800	100 g	0.29				<0.001	0.082	20.1	0.075	0.49	
867	Ni-Fe-Cr Alloy UNS N08825 (chip form)	100 g	0.0630	(4*)	25.7*	(<0.5*)	19.8*	0.0212	23.375	0.092	1.767	112*
1230	High-Temperature Alloy A286 (disk form)	disk	0.249		(<0.005)	(<0.0001)	0.00519	0.0428	14.65	0.151	0.137	
1246	Incoloy 800	disk	0.30				<0.001	0.082	20.1	0.076	0.49	
1247	Ni-Fe-Cr Alloy UNS N08825 (disk form)	disk	0.0630	(4*)	25.7*	(<0.5*)	19.8*	0.0212	23.375	0.092	1.767	112*
1250	High-Temperature Alloy (Fe-Ni-Co)	disk	0.99				0.0078	0.022	0.077	16.1	0.022	
C2400	Fe-Cr-Ni Alloy UNS J92180 (disk form)	disk	(<0.01)				(0.0004)	0.036	17.06	0.10	2.63	

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SRM	Description	Unit of Issue	Iron (Fe)	Lead (Pb)	Magnesium (Mg)	Manganese (Mn)	Molybdenum (Mo)	Nickel (Ni)	Niobium (Nb)	Nitrogen (N)	Oxygen (O)	Phosphorus (P)
866	Incoloy 800	100 g	46.1			0.92	0.36	30.8	(0.09)			0.017
867	Ni-Fe-Cr Alloy UNS N08825 (chip form)	100 g	26.564	0.340*	(<10*)	0.3806	2.723	43.47	0.458	170*	50*	0.0203
1230	High-Temperature Alloy A286 (disk form)	disk	55.6	(<0.0003)		0.652	1.15	24.08	0.067	(0.003)		0.0239
1246	Incoloy 800	disk	46.2			0.91	0.36	30.8	(0.09)			0.018
1247	Ni-Fe-Cr Alloy UNS N08825 (disk form)	disk	26.564	0.340*	(<10*)	0.3806	2.723	43.47	0.458	170*	50*	0.0203
1250	High-Temperature Alloy (Fe-Ni-Co)	disk	40.5			0.052	0.014	37.78	2.99			<0.003
C2400	Fe-Cr-Ni Alloy UNS J92180 (disk form)	disk				0.71	0.23	4.07	0.15			0.013

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SRM	Description	Unit of Issue	Selenium (Se)	Silicon (Si)	Silver (Ag)	Sulfur (S)	Tantalum (Ta)	Tellurium (Te)	Thallium (Tl)	Tin (Sn)	Titanium (Ti)	Tungsten (W)
866	Incoloy 800	100 g		0.17		0.001					0.31	
867	Ni-Fe-Cr Alloy UNS N08825 (chip form)	100 g	(<6*)	0.3234	0.25*	17*	(<10*)	(<1*)	0.00223*	(30*)	0.755	56*
1230	High-Temperature Alloy A286 (disk form)	disk		0.411	(0.000025)	0.00095	(<0.001)			(<0.033)	2.18	0.0695
1246	Incoloy 800	disk		0.18		0.001					0.32	
1247	Ni-Fe-Cr Alloy UNS N08825 (disk form)	disk	(<6*)	0.3234	0.25*	17*	(<10*)	(<1*)	0.00223*	(30*)	0.755	56*
1250	High-Temperature Alloy (Fe-Ni-Co)	disk		0.097		0.0025	0.003				1.48	
C2400	Fe-Cr-Ni Alloy UNS J92180 (disk form)	disk		0.61		0.003						(0.1)

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